

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P511043

Luminaire Tested: **PRV-P-C25-D-UNV-T3-7050-HSS**

Issue Date: 4/7/2021

Test Information

Test Method: LM-79-08
Report Number: P511043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-170-5)
Test Lab: INNOVATION CENTER
Issue Date: 4/7/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: PRV-P-C25-D-UNV-T3-7050-HSS
Description: PREVAIL AREA AND WALL LUMINAIRE
(1) 70 CRI, 5000K, 1650mA LED AND TYPE III OPTIC WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10826 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

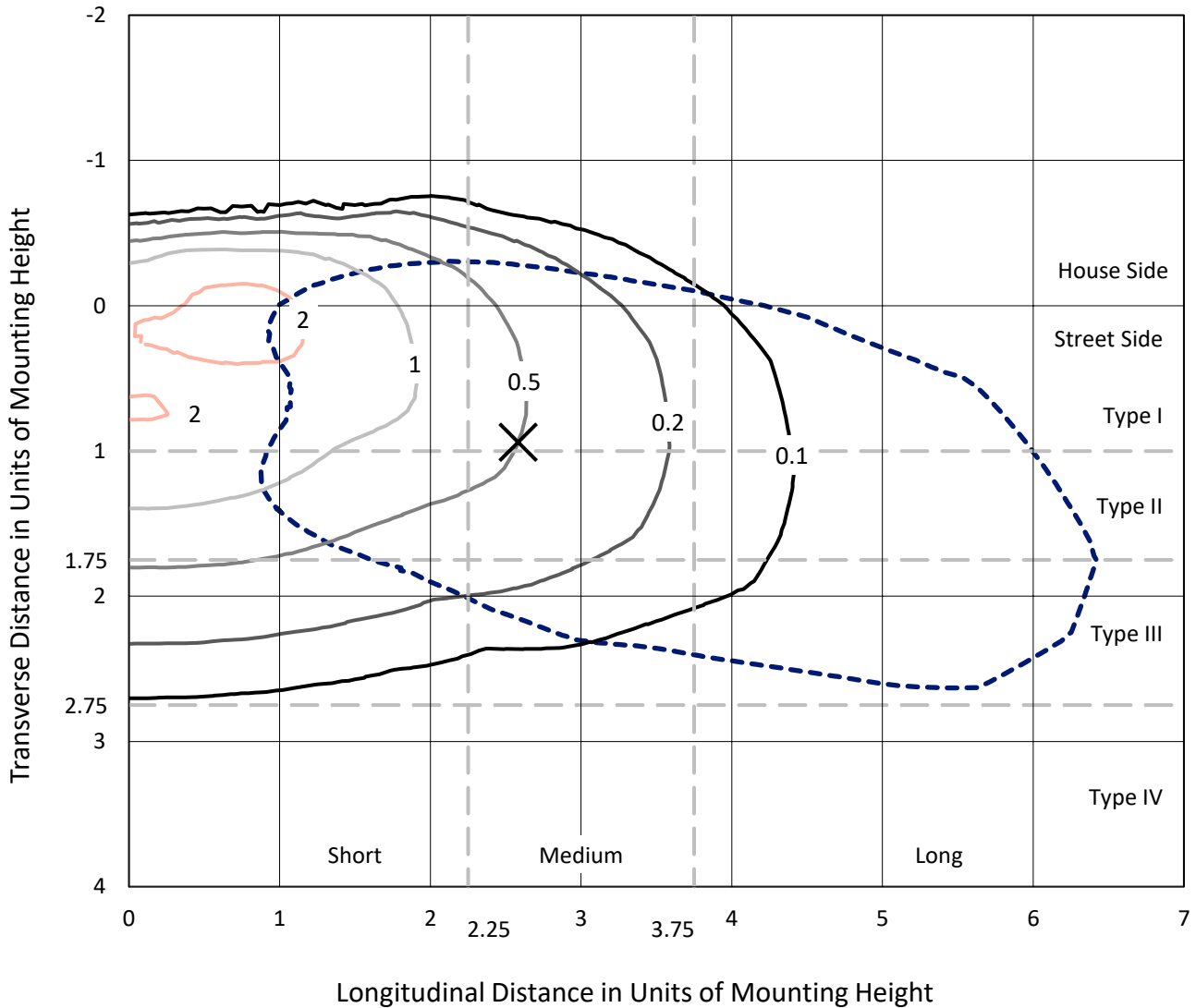
Input Watts (W): 94.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

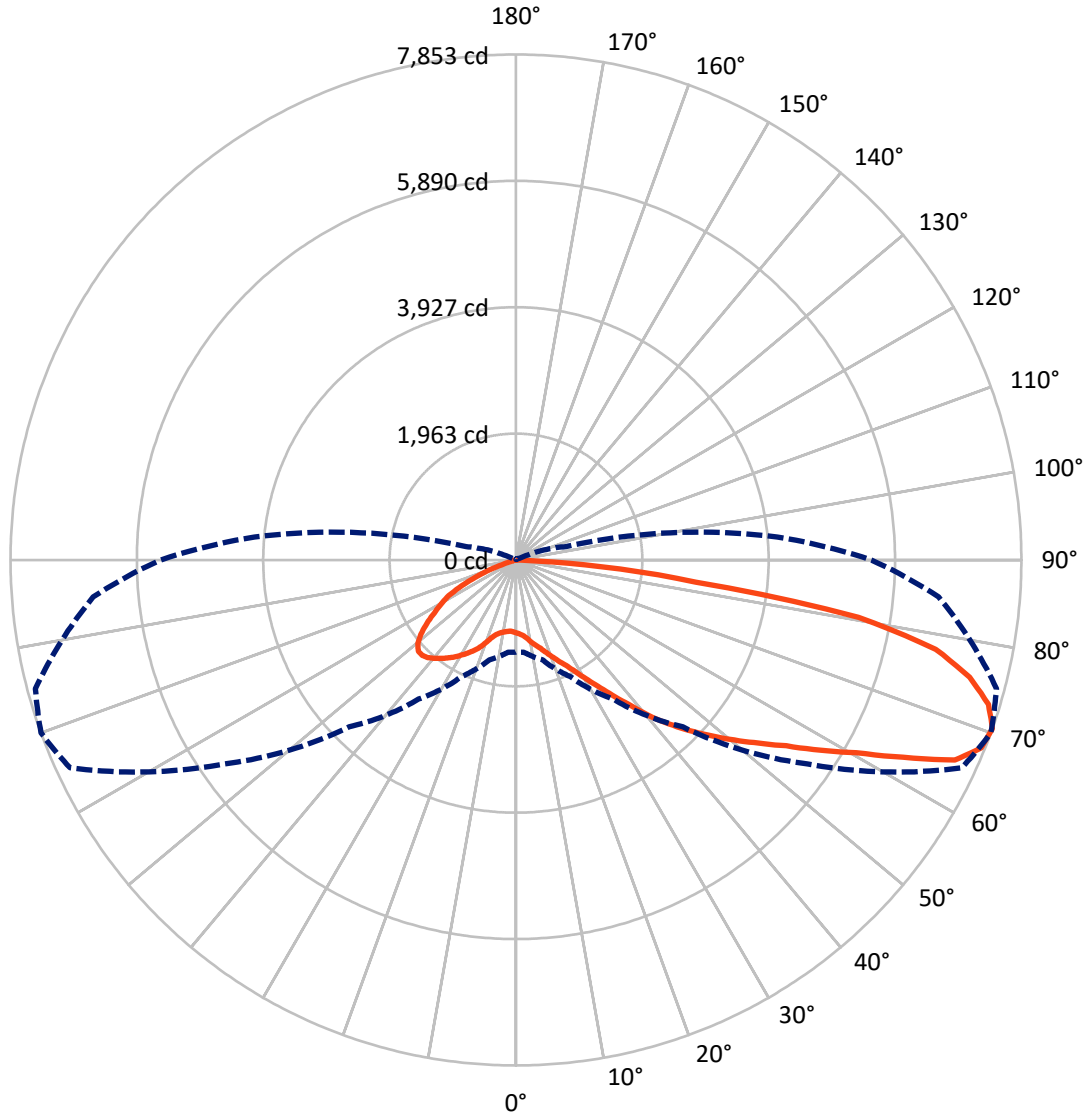
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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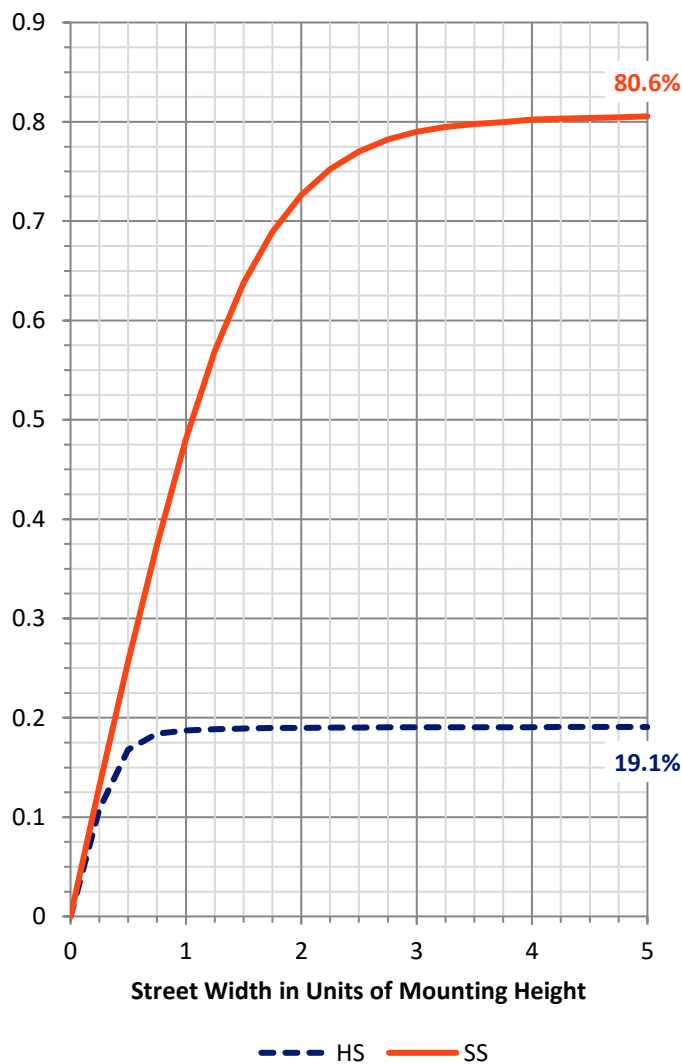
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2087.3	0.0	2087.3
	% Fixture	19.3	0.0	19.3
Street Side	Lumens	8738.7	0.0	8738.7
	% Fixture	80.7	0.0	80.7
Total	Lumens	10826.0	0.0	10826.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	1.0
10°-20°	344.2	3.2
20°-30°	632.3	5.8
30°-40°	1057.2	9.8
40°-50°	1654.5	15.3
50°-60°	2255.5	20.8
60°-70°	2626.2	24.3
70°-80°	1836.1	17.0
80°-90°	311.0	2.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10826.0	100.0
0°-180°	10826.0	100.0

Coefficient of Utilization



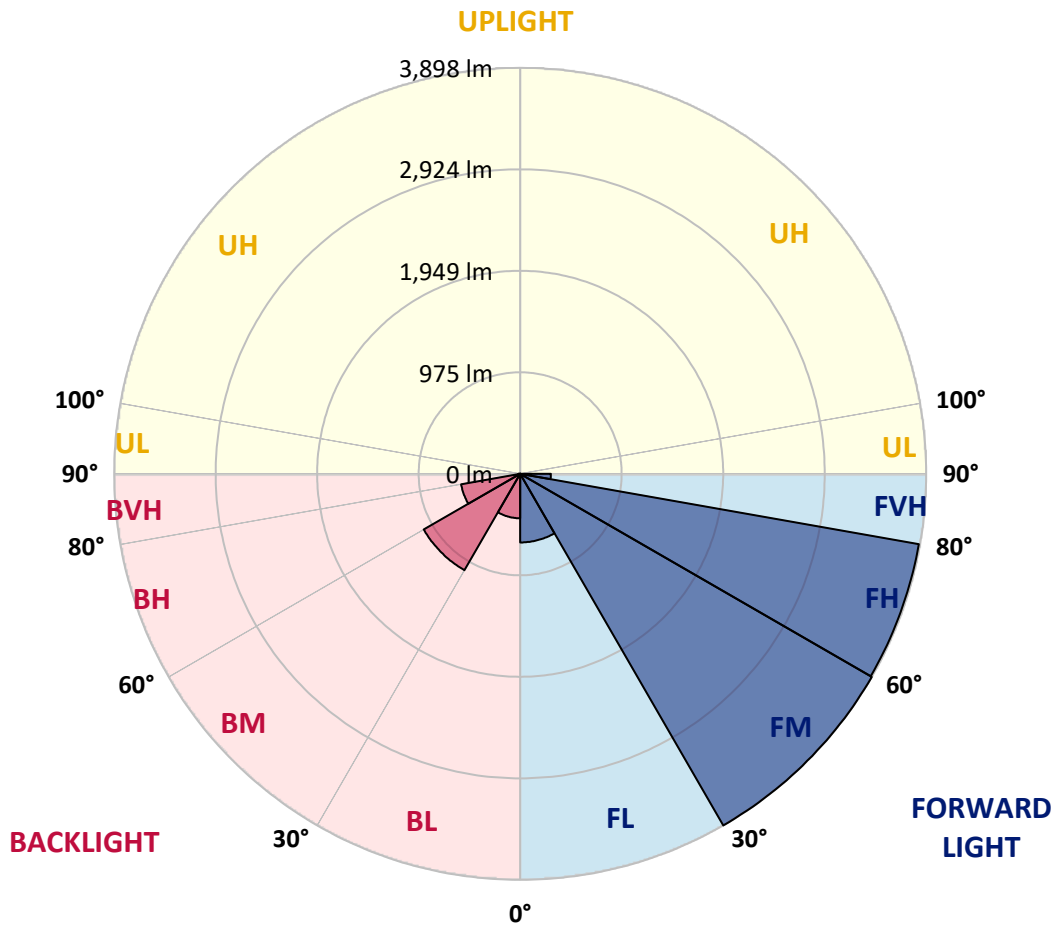
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	658.9	6.1			
FM (30°-60°)	3898.3	36.0			
FH (60°-80°)	3886.7	35.9			G2/5000
FVH (80°-90°)	294.8	2.7			G3/500
BL (0°-30°)	426.7	3.9	B1/500		
BM (30°-60°)	1068.9	9.9	B2/2500		
BH (60°-80°)	575.6	5.3	B2/1000		G2/1000
BVH (80°-90°)	16.1	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8
2.5°	1174.6	1181.9	1179.5	1181.9	1179.5	1172.1	1162.3	1152.4	1150.0	1147.5	1140.2
5°	1226.2	1231.1	1226.2	1228.6	1223.7	1213.9	1199.1	1184.4	1179.5	1169.6	1152.4
7.5°	1270.4	1275.3	1275.3	1282.7	1280.2	1275.3	1258.1	1240.9	1226.2	1216.3	1194.2
10°	1317.1	1319.5	1322.0	1331.8	1339.2	1339.2	1324.5	1309.7	1297.4	1280.2	1245.8
12.5°	1346.6	1349.0	1353.9	1366.2	1383.4	1393.3	1385.9	1371.1	1358.9	1344.1	1299.9
15°	1358.9	1361.3	1373.6	1395.7	1420.3	1435.0	1437.5	1427.7	1422.7	1408.0	1363.8
17.5°	1390.8	1395.7	1403.1	1432.6	1452.2	1476.8	1498.9	1513.7	1508.7	1494.0	1447.3
20°	1439.9	1447.3	1452.2	1474.3	1489.1	1533.3	1577.6	1604.6	1602.1	1592.3	1545.6
22.5°	1501.4	1503.8	1508.7	1523.5	1550.5	1599.7	1661.1	1693.0	1707.8	1698.0	1661.1
25°	1570.2	1570.2	1565.3	1587.4	1624.2	1678.3	1752.0	1806.1	1815.9	1823.3	1830.6
27.5°	1651.3	1653.7	1646.4	1666.0	1700.4	1764.3	1855.2	1931.4	1960.9	1970.7	2042.0
30°	1845.4	1842.9	1813.4	1759.4	1801.2	1872.4	1968.3	2096.0	2137.8	2182.0	2314.7
32.5°	2098.5	2093.6	2093.6	1975.6	1909.3	1987.9	2096.0	2258.2	2336.8	2459.7	2609.6
35°	2331.9	2331.9	2324.6	2258.2	2130.4	2113.2	2231.2	2447.4	2577.6	2801.3	2924.1
37.5°	2538.3	2538.3	2550.6	2476.9	2393.4	2300.0	2403.2	2651.4	2845.5	3137.9	3228.8
40°	2727.5	2734.9	2744.7	2707.9	2644.0	2567.8	2577.6	2877.4	3179.7	3499.1	3570.4
42.5°	2862.7	2882.3	2941.3	2897.1	2906.9	2860.2	2784.1	3091.2	3481.9	3798.9	3860.3
45°	2990.5	2997.8	3042.1	3069.1	3135.4	3115.8	3061.7	3309.9	3781.7	4101.1	4113.4
47.5°	3081.4	3081.4	3120.7	3211.6	3332.0	3368.9	3349.2	3555.6	4083.9	4369.0	4381.3
50°	3115.8	3120.7	3209.2	3339.4	3540.9	3614.6	3641.6	3875.1	4398.5	4661.4	4627.0
52.5°	3155.1	3172.3	3287.8	3450.0	3717.8	3865.2	3931.6	4295.3	4727.7	4951.3	4880.1
55°	3174.8	3206.7	3312.4	3513.9	3845.6	4079.0	4189.6	4693.3	5096.3	5248.7	5172.5
57.5°	3022.4	3074.0	3265.7	3516.3	3926.7	4253.5	4474.6	5140.6	5575.5	5617.3	5413.3
60°	2813.5	2838.1	3061.7	3457.3	3904.6	4393.6	4803.9	5676.2	6076.8	6094.0	5708.2
62.5°	2585.0	2585.0	2803.7	3258.3	3803.8	4413.2	5103.7	6344.6	6752.5	6607.5	6017.8
65°	2282.8	2300.0	2516.2	2931.5	3577.7	4334.6	5332.2	7003.1	7494.6	7357.0	6324.9
67.5°	1904.4	1919.1	2113.2	2506.4	3155.1	4101.1	5487.0	7494.6	7796.8	7674.0	6558.4
70°	1430.1	1439.9	1607.0	1997.7	2639.1	3666.2	5526.3	7644.5	7853.4	7730.5	6592.8
72.5°	808.4	783.9	978.0	1314.6	1909.3	2980.6	5374.0	7558.5	7676.4	7541.3	6327.4
75°	122.9	145.0	208.9	484.1	980.4	1956.0	4744.9	7148.1	7280.8	7121.1	5838.4
77.5°	88.5	90.9	117.9	176.9	297.3	717.5	3022.4	6428.1	6669.0	6474.8	5061.9
80°	63.9	63.9	83.5	125.3	201.5	277.7	1167.2	4772.0	5398.6	5324.8	3789.1
82.5°	44.2	46.7	59.0	90.9	140.1	196.6	336.6	2285.2	2813.5	2889.7	1862.6
85°	29.5	29.5	41.8	63.9	93.4	120.4	135.1	985.4	1334.3	1388.3	778.9
87.5°	17.2	17.2	24.6	39.3	59.0	73.7	66.3	78.6	68.8	63.9	34.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8	1132.8
2.5°	1135.2	1130.3	1120.5	1113.1	1103.3	1091.0	1078.7	1073.8	1061.5	1059.1	1051.7
5°	1145.1	1135.2	1118.0	1098.4	1073.8	1049.2	1022.2	1007.5	995.2	985.4	992.7
7.5°	1179.5	1162.3	1135.2	1100.8	1059.1	1019.8	985.4	955.9	938.7	931.3	931.3
10°	1226.2	1204.0	1159.8	1108.2	1051.7	1000.1	948.5	909.2	882.2	869.9	867.4
12.5°	1277.8	1250.7	1191.8	1120.5	1051.7	980.4	921.5	867.4	830.5	813.3	810.9
15°	1331.8	1302.3	1231.1	1150.0	1068.9	985.4	904.3	833.0	781.4	751.9	749.5
17.5°	1412.9	1378.5	1295.0	1209.0	1110.7	1005.0	899.4	796.1	715.1	675.7	670.8
20°	1511.2	1476.8	1403.1	1290.1	1159.8	1019.8	872.3	739.6	643.8	592.2	592.2
22.5°	1636.5	1639.0	1530.9	1366.2	1189.3	1009.9	840.4	678.2	548.0	481.6	476.7
25°	1830.6	1818.4	1651.3	1425.2	1204.0	978.0	778.9	567.6	415.3	351.4	339.1
27.5°	2054.3	1990.4	1761.8	1471.9	1191.8	941.1	683.1	425.1	277.7	221.2	213.8
30°	2275.4	2184.5	1870.0	1516.1	1167.2	862.5	528.3	265.4	176.9	147.4	142.5
32.5°	2538.3	2410.6	1997.7	1548.1	1137.7	742.1	356.3	167.1	115.5	98.3	93.4
35°	2828.3	2639.1	2128.0	1560.3	1078.7	582.4	206.4	103.2	71.3	71.3	73.7
37.5°	3128.1	2921.7	2273.0	1557.9	975.5	388.2	127.8	59.0	59.0	71.3	76.2
40°	3420.5	3167.4	2425.3	1538.2	815.8	223.6	66.3	49.1	54.1	66.3	68.8
42.5°	3698.2	3388.5	2585.0	1498.9	606.9	125.3	51.6	46.7	51.6	56.5	56.5
45°	3943.9	3629.3	2715.3	1439.9	380.9	66.3	49.1	44.2	44.2	46.7	49.1
47.5°	4160.1	3830.8	2825.8	1324.5	204.0	61.4	46.7	41.8	39.3	41.8	41.8
50°	4376.4	4007.8	2870.1	1140.2	95.8	61.4	46.7	39.3	36.9	44.2	44.2
52.5°	4585.2	4209.3	2855.3	894.4	68.8	56.5	44.2	39.3	36.9	46.7	49.1
55°	4811.3	4403.4	2830.7	567.6	68.8	54.1	41.8	34.4	34.4	34.4	36.9
57.5°	5027.5	4577.8	2789.0	238.4	66.3	49.1	36.9	29.5	27.0	29.5	29.5
60°	5263.4	4772.0	2607.1	95.8	63.9	44.2	31.9	27.0	22.1	24.6	24.6
62.5°	5514.1	4894.8	2287.7	76.2	59.0	39.3	27.0	22.1	19.7	19.7	22.1
65°	5700.8	4897.3	1798.7	66.3	56.5	34.4	24.6	19.7	17.2	17.2	17.2
67.5°	5722.9	4614.7	1312.2	59.0	51.6	29.5	19.7	17.2	14.7	12.3	14.7
70°	5521.4	4076.6	801.1	56.5	44.2	24.6	17.2	14.7	12.3	9.8	12.3
72.5°	5123.4	3474.5	314.5	51.6	39.3	19.7	14.7	14.7	9.8	7.4	7.4
75°	4496.8	2712.8	78.6	46.7	34.4	17.2	12.3	12.3	9.8	4.9	4.9
77.5°	3612.1	1594.8	59.0	39.3	29.5	12.3	9.8	9.8	4.9	4.9	4.9
80°	2017.4	602.0	44.2	27.0	17.2	9.8	4.9	4.9	4.9	4.9	4.9
82.5°	801.1	125.3	31.9	14.7	9.8	4.9	2.5	2.5	2.5	4.9	4.9
85°	172.0	39.3	19.7	9.8	4.9	2.5	2.5	2.5	2.5	2.5	4.9
87.5°	12.3	12.3	7.4	7.4	4.9	2.5	2.5	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)